

# SAFETY DATA SHEET

according to Regulation (EC) No. 830/2015

## HYDROFAN ARCTIC FIRE STR

Version 1.4

Revision Date 30.06.2015

Print Date 04.02.2019

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : HYDROFAN ARCTIC FIRE STR  
Product code : LNHF0516

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Paints, varnishes and enamels  
Chemical nature : Mono compound enamel - finish coat

#### 1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA  
Via Cecilio 17  
22100 Como- CO-  
Telephone : +39031586111  
Telefax : +39031586206  
E-mail address : safety@lechler.eu  
Responsible/issuing person

#### 1.4 Emergency telephone number

Tel. +39-031-586301 Fax +39-031-586299  
This telephone number is available during office hours only. (8.00-18.00)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

#### **Additional Labelling:**

EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

None known.

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No hazards resulting from the material as supplied.  
The information required is contained in this Material Safety Data Sheet.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Water pigmented dispersion

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
2-butoxyethanol	111-76-2 203-905-0 01-2119475108-36	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.  
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air.  
Keep patient warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash skin thoroughly with soap and water or use recognized skin cleanser.  
Do NOT use solvents or thinners.  
Put shower on working place
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Seek medical advice.  
Put eye-washer on working place  
Remove contact lenses.
- If swallowed : If accidentally swallowed obtain immediate medical attention.  
Do NOT induce vomiting.  
Keep at rest.

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### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.  
Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Keep containers and surroundings cool with water spray.
- Unsuitable extinguishing media : Do NOT use water jet.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use personal protective equipment.  
Ventilate the area.  
Refer to protective measures listed in sections 7 and 8.  
Material can create slippery conditions.

### 6.2 Environmental precautions

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Environmental precautions : Try to prevent the material from entering drains or water courses.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvents.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

Refer to section 15 for specific national regulation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding of the given occupational exposure limits (see section 8).  
Use only in area provided with appropriate exhaust ventilation.  
Avoid contact with skin, eyes and clothing.  
Smoking, eating and drinking should be prohibited in the application area.  
Avoid inhalation of vapour or mist.  
For personal protection see section 8.  
Thoroughly mix before using  
After using, store in a well-sealed container

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Observe label precautions.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store in accordance with the particular national regulations.  
Store between 5° an 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.  
No smoking.  
Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

### 7.3 Specific end use(s)

: This information is not available.

## SECTION 8: Exposure controls/personal protection

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### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
Ethylene Glycol Monobutyl Ether	111-76-2	TWA	20 ppm 98 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skin Indicative			
		STEL	50 ppm 246 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skin Indicative			

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection : Apply technical measures to comply with the occupational exposure limits.  
This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.  
If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.  
Respirator with combination filter for vapour/particulate (EN 141).

Hand protection : Latex gloves  
For prolonged or repeated contact use protective gloves.  
Protective gloves complying with EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.  
Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.  
Skin should be washed after contact.  
Wash your hands and put on barrier creams

Eye protection : Chemical resistant goggles must be worn.  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : Skin should be washed after contact.  
Wear suitable protective clothing.

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### Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Odour : solvent-like

Flash point : > 63 - 100 °C

Ignition temperature : not determined

Lower explosion limit : No data available

Upper explosion limit : No data available

Auto-ignition temperature : not applicable

pH : not determined

Freezing point : not applicable

Boiling point : not determined

Vapour pressure : 1,00 hPa  
at 50 °C

Density : 1,0725 g/cm<sup>3</sup>

Water solubility : not determined

Partition coefficient: n-  
octanol/water : No data available

Solubility in other solvents : not determined

Flow time : 65 s  
6 mm  
Method: ISO/DIN 2431 '84

Relative vapour density : not applicable

Evaporation rate : not determined

### 9.2 Other information

Solids by weight : 24,39 %

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Volatile organic compounds : 5,95 %  
(VOC) content  
Water content : 69,64 %

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None reasonably foreseeable.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

Conditions to avoid : Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions.  
Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.

#### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

Thermal decomposition : not applicable

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Product

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method  
Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l, 4 h, vapour, Calculation method  
Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method  
Skin corrosion/irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.

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Further information : The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

### **Components:**

#### **2-butoxyethanol :**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg, Converted acute toxicity point estimate

Acute dermal toxicity : Acute toxicity estimate: 1.100 mg/kg, Converted acute toxicity point estimate

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Toxicity to fish :  
Remarks:  
No data is available on the product itself.

### **12.2 Persistence and degradability**

Biodegradability : No data available

### **12.3 Bioaccumulative potential**

Bioaccumulation : No data available

### **12.4 Mobility in soil**

Mobility : No data available

### **12.5 Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### **12.6 Other adverse effects**

Additional ecological information : There is no data available for this product.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water



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courses or the soil.

Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. The following Waste Codes are only suggestions: 150110\*

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 Proper shipping name

##### ADR

Not dangerous goods

##### IMDG

Not dangerous goods

##### IATA

Not dangerous goods

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

##### ADR

Not dangerous goods

##### IMDG

Not dangerous goods

##### IATA

Not dangerous goods

#### 14.6 Special precautions for user

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Remarks : Not classified as dangerous in the meaning of transport regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

MAL-Code-Number (DK) : 1-1 (1993)  
153-m3 air/10 g

Risk classification according to VbF : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Water contaminating class (Germany) : water endangering  
VWWWS A4

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. The product is classified and labelled in accordance with Directive 1999/45/EC.

### 15.2 Chemical Safety Assessment

No data is available on the product itself.

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.